EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	185	cysk or cysteine synthase$1	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:26
L2	139	1 same (gene$1 or sequence$1 or nucleic or polynucleotide$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:27
L3	125679	(serine or ser) same (coexpress$ or rich or high or level$1 or yield$1 or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:40
L4	71	1 and 3	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L5	18	4 not 2	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L6	7385	(amino acid$1) near5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L7	0	(amino acid$1) near5 (composition$ or profile$) nerar5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:42
L8	225	(amino acid$1) near5 (composition$ or profile$) near5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L9	5	8 same coli	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L10	12	(amino acid$1) near5 (composition$ or profile$) near5 (heterologous or foreign) near3 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L11	1	1 same coexpress$	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:44
L12	85	1 same (serine or ser)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:44

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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:49:39 ON 05 SEP 2006

=> fil .bec
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         1.89       1.89

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
       ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:55:14 ON 05 SEP 2006
ALL COPYRIGHTS AND RESTRICTIONS APPLY.  SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s cysk or cysteine synthase#
FILE 'MEDLINE'
           79 CYSK
        66784 CYSTEINE
        95884 SYNTHASE#
          240 CYSTEINE SYNTHASE#
                (CYSTEINE(W)SYNTHASE#)
L1        278 CYSK OR CYSTEINE SYNTHASE#

FILE 'SCISEARCH'
           55 CYSK
        49154 CYSTEINE
       112660 SYNTHASE#
          213 CYSTEINE SYNTHASE#
                (CYSTEINE(W)SYNTHASE#)
L2        248 CYSK OR CYSTEINE SYNTHASE#

FILE 'LIFESCI'
           49 CYSK
        18597 "CYSTEINE"
        24832 SYNTHASE#
           93 CYSTEINE SYNTHASE#
                ("CYSTEINE"(W)SYNTHASE#)
L3        126 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOTECHDS'
           54 CYSK
         4414 CYSTEINE
         6362 SYNTHASE#
           65 CYSTEINE SYNTHASE#
                (CYSTEINE(W)SYNTHASE#)
L4         87 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOSIS'
           77 CYSK
        60728 CYSTEINE
       103285 SYNTHASE#
          226 CYSTEINE SYNTHASE#
                (CYSTEINE(W)SYNTHASE#)
L5        283 CYSK OR CYSTEINE SYNTHASE#

FILE 'EMBASE'
           61 CYSK
        51495 "CYSTEINE"
        94876 SYNTHASE#
          204 CYSTEINE SYNTHASE#
                ("CYSTEINE"(W)SYNTHASE#)
L6        235 CYSK OR CYSTEINE SYNTHASE#

FILE 'HCAPLUS'
```

```
           181 CYSK
        102878 CYSTEINE
         99232 SYNTHASE#
           380 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L7         475 CYSK OR CYSTEINE SYNTHASE#

FILE 'NTIS'
             0 CYSK
           492 CYSTEINE
           240 SYNTHASE#
             0 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L8           0 CYSK OR CYSTEINE SYNTHASE#

FILE 'ESBIOBASE'
            44 CYSK
         24959 CYSTEINE
         46832 SYNTHASE#
           107 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L9         135 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOTECHNO'
            43 CYSK
         22339 CYSTEINE
         29457 SYNTHASE#
           130 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L10        151 CYSK OR CYSTEINE SYNTHASE#

FILE 'WPIDS'
            45 CYSK
          8837 CYSTEINE
          5263 SYNTHASE#
            46 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L11         62 CYSK OR CYSTEINE SYNTHASE#

TOTAL FOR ALL FILES
L12       2080 CYSK OR CYSTEINE SYNTHASE#

=> s (serine or ser)(15a)(rich or high or level# or yield# or optimiz?)
FILE 'MEDLINE'
         92542 SERINE
         21836 SER
         85541 RICH
       1436480 HIGH
       1536362 LEVEL#
        126347 YIELD#
         67645 OPTIMIZ?
L13       5389 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'SCISEARCH'
         53704 SERINE
         22441 SER
        157813 RICH
       2163272 HIGH
       1608663 LEVEL#
        410563 YIELD#
        245023 OPTIMIZ?
L14       4899 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)
```

```
FILE 'LIFESCI'
         21922 SERINE
         10847 SER
         35978 RICH
        382927 HIGH
        442720 LEVEL#
         56401 YIELD#
         17563 OPTIMIZ?
L15       2982 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'BIOTECHDS'
          5056 SERINE
          4932 SER
          4697 RICH
         77059 HIGH
         53382 LEVEL#
         40562 YIELD#
         19515 OPTIMIZ?
L16         634 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'BIOSIS'
         70130 SERINE
         22674 SER
        108891 RICH
       1531355 HIGH
       1653757 LEVEL#
        303964 YIELD#
         70101 OPTIMIZ?
L17       6111 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'EMBASE'
         59506 SERINE
         19604 SER
         77121 RICH
       1383149 HIGH
       1760795 LEVEL#
        139590 YIELD#
         66848 OPTIMIZ?
L18       4778 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'HCAPLUS'
        108771 SERINE
         35498 SER
        283574 RICH
       3864087 HIGH
       2314136 LEVEL#
       1173570 YIELD#
        303447 OPTIMIZ?
L19       9338 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'NTIS'
           537 SERINE
           410 SER
          9384 RICH
        331244 HIGH
        230320 LEVEL#
         55732 YIELD#
         60407 OPTIMIZ?
L20         76 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)
```

```
FILE 'ESBIOBASE'
         28404 SERINE
         13028 SER
         47937 RICH
        542371 HIGH
        608355 LEVEL#
         79780 YIELD#
         33335 OPTIMIZ?
L21       3770 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'BIOTECHNO'
         28989 SERINE
         11924 SER
         29372 RICH
        299126 HIGH
        367944 LEVEL#
         41645 YIELD#
         16086 OPTIMIZ?
L22       3241 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'WPIDS'
          8710 SERINE
         10207 SER
         34940 RICH
       2103367 HIGH
        627381 LEVEL#
        254674 YIELD#
         44821 OPTIMIZ?
L23        523 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

TOTAL FOR ALL FILES
L24      41741 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

=> s l12 and l24
FILE 'MEDLINE'
L25          12 L1 AND L13

FILE 'SCISEARCH'
L26           9 L2 AND L14

FILE 'LIFESCI'
L27           5 L3 AND L15

FILE 'BIOTECHDS'
L28           2 L4 AND L16

FILE 'BIOSIS'
L29           9 L5 AND L17

FILE 'EMBASE'
L30           5 L6 AND L18

FILE 'HCAPLUS'
L31          12 L7 AND L19

FILE 'NTIS'
L32           0 L8 AND L20

FILE 'ESBIOBASE'
L33           4 L9 AND L21
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```
FILE 'BIOTECHNO'
L34           8 L10 AND L22

FILE 'WPIDS'
L35           1 L11 AND L23

TOTAL FOR ALL FILES
L36          67 L12 AND L24

=> s l12 and coexpress?
FILE 'MEDLINE'
          14087 COEXPRESS?
L37           2 L1 AND COEXPRESS?

FILE 'SCISEARCH'
          14452 COEXPRESS?
L38           2 L2 AND COEXPRESS?

FILE 'LIFESCI'
           6416 COEXPRESS?
L39           2 L3 AND COEXPRESS?

FILE 'BIOTECHDS'
            699 COEXPRESS?
L40           1 L4 AND COEXPRESS?

FILE 'BIOSIS'
          14207 COEXPRESS?
L41           2 L5 AND COEXPRESS?

FILE 'EMBASE'
          13337 COEXPRESS?
L42           1 L6 AND COEXPRESS?

FILE 'HCAPLUS'
          13342 COEXPRESS?
L43           2 L7 AND COEXPRESS?

FILE 'NTIS'
             36 COEXPRESS?
L44           0 L8 AND COEXPRESS?

FILE 'ESBIOBASE'
          10330 COEXPRESS?
L45           1 L9 AND COEXPRESS?

FILE 'BIOTECHNO'
           7587 COEXPRESS?
L46           1 L10 AND COEXPRESS?

FILE 'WPIDS'
            144 COEXPRESS?
L47           0 L11 AND COEXPRESS?

TOTAL FOR ALL FILES
L48          14 L12 AND COEXPRESS?

=> s (amino acid or ser or serine)(15a)(composition# or profil?)
FILE 'MEDLINE'
         627617 AMINO
        1423018 ACID
         471399 AMINO ACID
                   (AMINO(W)ACID)
          21836 SER
```

```
         92542 SERINE
        168556 COMPOSITION#
        248825 PROFIL?
L49      13746 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'SCISEARCH'
        396327 AMINO
       1149190 ACID
        209666 AMINO ACID
                 (AMINO(W)ACID)
         22441 SER
         53704 SERINE
        419979 COMPOSITION#
        382115 PROFIL?
L50       9538 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'LIFESCI'
        170294 "AMINO"
        304712 "ACID"
        117285 AMINO ACID
                 ("AMINO"(W)"ACID")
         10847 SER
         21922 SERINE
         99725 COMPOSITION#
         55188 PROFIL?
L51       6090 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'BIOTECHDS'
         68862 AMINO
        141162 ACID
         49599 AMINO ACID
                 (AMINO(W)ACID)
          4932 SER
          5056 SERINE
         42349 COMPOSITION#
         10963 PROFIL?
L52       2588 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'BIOSIS'
        529886 AMINO
       1264190 ACID
        308849 AMINO ACID
                 (AMINO(W)ACID)
         22674 SER
         70130 SERINE
        329045 COMPOSITION#
        237646 PROFIL?
L53      22015 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'EMBASE'
        435768 "AMINO"
       1416160 "ACID"
        294679 AMINO ACID
                 ("AMINO"(W)"ACID")
         19604 SER
         59506 SERINE
        151941 COMPOSITION#
        210288 PROFIL?
L54      13289 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'HCAPLUS'
       1084579 AMINO
       4203357 ACID
        539531 AMINO ACID
                 (AMINO(W)ACID)
```

```
         35498 SER
        108771 SERINE
        960068 COMPOSITION#
       1416217 COMPN
       1976740 COMPOSITION#
                 (COMPOSITION# OR COMPN)
        440810 PROFIL?
L55      38325 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'NTIS'
          7002 AMINO
         44050 ACID
          2476 AMINO ACID
                 (AMINO(W)ACID)
           410 SER
           537 SERINE
         69996 COMPOSITION#
         58035 PROFIL?
L56        223 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'ESBIOBASE'
        184733 AMINO
        353034 ACID
        102749 AMINO ACID
                 (AMINO(W)ACID)
         13028 SER
         28404 SERINE
         87829 COMPOSITION#
         98571 PROFIL?
L57       3620 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'BIOTECHNO'
        204625 AMINO
        349810 ACID
        154660 AMINO ACID
                 (AMINO(W)ACID)
         11924 SER
         28989 SERINE
         38895 COMPOSITION#
         42958 PROFIL?
L58       6366 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'WPIDS'
        251912 AMINO
        962131 ACID
         71782 AMINO ACID
                 (AMINO(W)ACID)
         10207 SER
          8710 SERINE
        732789 COMPOSITION#
          8956 COMPN
        388445 COMPSN
        111887 COMPSNS
        904733 COMPOSITION#
                 (COMPOSITION# OR COMPN OR COMPSN OR COMPSNS)
        199950 PROFIL?
L59       5010 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

TOTAL FOR ALL FILES
L60     120810 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

=> s l12 and l60
FILE 'MEDLINE'
L61           7 L1 AND L49
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FILE 'SCISEARCH'
L62           8 L2 AND L50

FILE 'LIFESCI'
L63           3 L3 AND L51

FILE 'BIOTECHDS'
L64           1 L4 AND L52

FILE 'BIOSIS'
L65          18 L5 AND L53

FILE 'EMBASE'
L66           7 L6 AND L54

FILE 'HCAPLUS'
L67          17 L7 AND L55

FILE 'NTIS'
L68           0 L8 AND L56

FILE 'ESBIOBASE'
L69           3 L9 AND L57

FILE 'BIOTECHNO'
L70           4 L10 AND L58

FILE 'WPIDS'
L71           0 L11 AND L59

TOTAL FOR ALL FILES
L72          68 L12 AND L60

=> s (heterologous or foreign or recombinant)(5a)protein#(10a)(produc? or express?
or optimize?)
FILE 'MEDLINE'
          48830 HETEROLOGOUS
          60602 FOREIGN
         268316 RECOMBINANT
        1985895 PROTEIN#
        1332283 PRODUC?
        1031557 EXPRESS?
          41164 OPTIMIZE?
L73        9690 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'SCISEARCH'
          22902 HETEROLOGOUS
          31651 FOREIGN
         157026 RECOMBINANT
        1561701 PROTEIN#
        1885905 PRODUC?
        1318116 EXPRESS?
         101716 OPTIMIZE?
L74        9879 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'LIFESCI'
          15201 HETEROLOGOUS
           8672 FOREIGN
          68772 RECOMBINANT
         576271 PROTEIN#
         528908 PRODUC?
         406665 EXPRESS?
          10075 OPTIMIZE?
```

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L75       7329 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'BIOTECHDS'
         11307 HETEROLOGOUS
          6545 FOREIGN
        100689 RECOMBINANT
        158695 PROTEIN#
        228637 PRODUC?
        147353 EXPRESS?
          7062 OPTIMIZE?
L76       29419 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'BIOSIS'
         29967 HETEROLOGOUS
         27907 FOREIGN
        195249 RECOMBINANT
       1823904 PROTEIN#
       1749135 PRODUC?
       1221349 EXPRESS?
         39110 OPTIMIZE?
L77       12002 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'EMBASE'
         22923 HETEROLOGOUS
         33379 FOREIGN
        175294 RECOMBINANT
       1603763 PROTEIN#
       1272694 PRODUC?
        946560 EXPRESS?
         39287 OPTIMIZE?
L78        8021 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'HCAPLUS'
         32645 HETEROLOGOUS
         46746 FOREIGN
        189333 RECOMBINANT
       2223498 PROTEIN#
       4321767 PRODUC?
        958436 PRODN
       4784654 PRODUC?
                 (PRODUC? OR PRODN)
       1251575 EXPRESS?
        161274 OPTIMIZE?
L79       22409 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'NTIS'
           306 HETEROLOGOUS
        385975 FOREIGN
          1641 RECOMBINANT
         19009 PROTEIN#
        373365 PRODUC?
         39659 EXPRESS?
         17064 OPTIMIZE?
L80         142 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'ESBIOBASE'
         13479 HETEROLOGOUS
         10751 FOREIGN
         87655 RECOMBINANT
```

```
        759973 PROTEIN#
        613682 PRODUC?
        594976 EXPRESS?
         20296 OPTIMIZE?
L81       8224 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'BIOTECHNO'
         14199 HETEROLOGOUS
          6070 FOREIGN
        125134 RECOMBINANT
        653195 PROTEIN#
        394590 PRODUC?
        452182 EXPRESS?
          9587 OPTIMIZE?
L82       8116 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

FILE 'WPIDS'
         10317 HETEROLOGOUS
         43020 FOREIGN
         41575 RECOMBINANT
        161225 PROTEIN#
       2400607 PRODUC?
        130252 EXPRESS?
         30007 OPTIMIZE?
L83       4932 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
               ? OR EXPRESS? OR OPTIMIZE?)

TOTAL FOR ALL FILES
L84     120163 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)

=> s l12 and l84
FILE 'MEDLINE'
L85          5 L1 AND L73

FILE 'SCISEARCH'
L86          4 L2 AND L74

FILE 'LIFESCI'
L87          5 L3 AND L75

FILE 'BIOTECHDS'
L88          5 L4 AND L76

FILE 'BIOSIS'
L89          2 L5 AND L77

FILE 'EMBASE'
L90          2 L6 AND L78

FILE 'HCAPLUS'
L91          6 L7 AND L79

FILE 'NTIS'
L92          0 L8 AND L80

FILE 'ESBIOBASE'
L93          4 L9 AND L81

FILE 'BIOTECHNO'
L94          2 L10 AND L82

FILE 'WPIDS'
```

```
L95          2 L11 AND L83

TOTAL FOR ALL FILES
L96         37 L12 AND L84

=> s l60 and l84
FILE 'MEDLINE'
L97         51 L49 AND L73

FILE 'SCISEARCH'
L98         49 L50 AND L74

FILE 'LIFESCI'
L99         38 L51 AND L75

FILE 'BIOTECHDS'
L100       505 L52 AND L76

FILE 'BIOSIS'
L101        57 L53 AND L77

FILE 'EMBASE'
L102        65 L54 AND L78

FILE 'HCAPLUS'
L103       169 L55 AND L79

FILE 'NTIS'
L104         0 L56 AND L80

FILE 'ESBIOBASE'
L105        44 L57 AND L81

FILE 'BIOTECHNO'
L106        74 L58 AND L82

FILE 'WPIDS'
L107        45 L59 AND L83

TOTAL FOR ALL FILES
L108      1097 L60 AND L84

=> s l108 and coli
FILE 'MEDLINE'
        254513 COLI
L109        30 L97 AND COLI

FILE 'SCISEARCH'
        235425 COLI
L110        25 L98 AND COLI

FILE 'LIFESCI'
        100827 COLI
L111        21 L99 AND COLI

FILE 'BIOTECHDS'
         47081 COLI
L112       132 L100 AND COLI

FILE 'BIOSIS'
        282219 COLI
L113        30 L101 AND COLI

FILE 'EMBASE'
        181848 COLI
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```
L114        34 L102 AND COLI

FILE 'HCAPLUS'
       273731 COLI
L115        69 L103 AND COLI

FILE 'NTIS'
         2854 COLI
L116         0 L104 AND COLI

FILE 'ESBIOBASE'
        72550 COLI
L117        19 L105 AND COLI

FILE 'BIOTECHNO'
        94549 COLI
L118        32 L106 AND COLI

FILE 'WPIDS'
        19531 COLI
L119         8 L107 AND COLI

TOTAL FOR ALL FILES
L120       400 L108 AND COLI

=> s (l36 or l48 or l72 or l96 or l120)
FILE 'MEDLINE'
L121        52 (L25 OR L37 OR L61 OR L85 OR L109)

FILE 'SCISEARCH'
L122        44 (L26 OR L38 OR L62 OR L86 OR L110)

FILE 'LIFESCI'
L123        32 (L27 OR L39 OR L63 OR L87 OR L111)

FILE 'BIOTECHDS'
L124       136 (L28 OR L40 OR L64 OR L88 OR L112)

FILE 'BIOSIS'
L125        57 (L29 OR L41 OR L65 OR L89 OR L113)

FILE 'EMBASE'
L126        45 (L30 OR L42 OR L66 OR L90 OR L114)

FILE 'HCAPLUS'
L127       101 (L31 OR L43 OR L67 OR L91 OR L115)

FILE 'NTIS'
L128         0 (L32 OR L44 OR L68 OR L92 OR L116)

FILE 'ESBIOBASE'
L129        27 (L33 OR L45 OR L69 OR L93 OR L117)

FILE 'BIOTECHNO'
L130        43 (L34 OR L46 OR L70 OR L94 OR L118)

FILE 'WPIDS'
L131        10 (L35 OR L47 OR L71 OR L95 OR L119)

TOTAL FOR ALL FILES
L132       547 (L36 OR L48 OR L72 OR L96 OR L120)

=> s l132 not 2004-2006/py
FILE 'MEDLINE'
       1669518 2004-2006/PY
```

```
                (20040000-20069999/PY)
L133        44 L121 NOT 2004-2006/PY

FILE 'SCISEARCH'
       3014115 2004-2006/PY
                (20040000-20069999/PY)
L134        35 L122 NOT 2004-2006/PY

FILE 'LIFESCI'
        253279 2004-2006/PY
L135        26 L123 NOT 2004-2006/PY

FILE 'BIOTECHDS'
         70512 2004-2006/PY
L136        79 L124 NOT 2004-2006/PY

FILE 'BIOSIS'
       1279777 2004-2006/PY
L137        50 L125 NOT 2004-2006/PY

FILE 'EMBASE'
       1435080 2004-2006/PY
L138        33 L126 NOT 2004-2006/PY

FILE 'HCAPLUS'
       3225813 2004-2006/PY
L139        75 L127 NOT 2004-2006/PY

FILE 'NTIS'
         35677 2004-2006/PY
L140         0 L128 NOT 2004-2006/PY

FILE 'ESBIOBASE'
        849275 2004-2006/PY
L141        18 L129 NOT 2004-2006/PY

FILE 'BIOTECHNO'
           586 2004-2006/PY
L142        43 L130 NOT 2004-2006/PY

FILE 'WPIDS'
       3005112 2004-2006/PY
L143         1 L131 NOT 2004-2006/PY

TOTAL FOR ALL FILES
L144       404 L132 NOT 2004-2006/PY

=> dup rem l144
PROCESSING COMPLETED FOR L144
L145        200 DUP REM L144 (204 DUPLICATES REMOVED)

=> d

L145  ANSWER 1 OF 200  BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI    New PRO20080 polypeptides and polynucleotides, useful for treating
      immune-related disorders in a mammal, e.g. systemic lupus erythematosus,
      rheumatoid arthritis, systemic sclerosis, bullous skin disease, or
      allergies;
           recombinant protein production and
        antagonist and agonist for use in disease gene therapy
AU    GREWAL I; GURNEY A L; VALDEZ P A
AN    2003-20959  BIOTECHDS
PI    WO 2003055440 10 Jul 2003
```

=> save temp l145 cysk/a
ANSWER SET L145 HAS BEEN SAVED AS 'CYSK/A'

=> d 2-10

L145 ANSWER 2 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Novel recombinant crystallized polypeptides from Streptococcus pneumoniae useful as drug target for pathogenic bacteria, has biological activity of NH(3)-dependent NAD(+) synthetase;
plasmid-mediated gene transfer and expression in Escherichia coli for recombinant protein production for recombinant vaccine and disease therapy
AU EDWARDS A; DHARAMSI A; VEDADI M; ALAM M Z; HOUSTON S; PINDER B; NG I; LAM R; KIMBER M
AN 2003-20545 BIOTECHDS
PI WO 2003051916 26 Jun 2003

L145 ANSWER 3 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New peptides useful, e.g. in the treatment of or reduction of viral load of hepatitis C virus and associated conditions, e.g. liver fibrosis, necrosis, inflammation or bile duct changes;
vector-mediated gene transfer and expression in host cell for recombinant protein production, drug screening and disease therapy
AU JOYCE M; WILLIAMS M; HINDSGAUL O; TYRREL D L
AN 2003-22522 BIOTECHDS
PI WO 2003051910 26 Jun 2003

L145 ANSWER 4 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New GAVE18 polypeptide and nucleic acid molecule encoding the polypeptide, useful for preventing and treating a disease or disorder associated with aberrant expression or activity of GAVE18, e.g. asthma or rheumatoid arthritis;
recombinant protein production and agonist and antagonist for use in disease gene therapy
AU EISHINGDRELO H; CAI J; BUSCH S J; GASSENHUBER J
AN 2003-17738 BIOTECHDS
PI WO 2003042399 22 May 2003

L145 ANSWER 5 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New cupiennin peptides exhibiting an antimicrobial, hemolytic or insecticidal activity, useful for preparing a composition for treating bacterial infections and tumors;
vector-mediated gene transfer and expression in host cell for recombinant protein and insecticide production for use in bacterium infection and leukemia gene therapy
AU SCHALLER J; WALZ A; NENTWIG W; KUHN-NENTWIG L
AN 2003-16957 BIOTECHDS
PI WO 2003035677 1 May 2003

L145 ANSWER 6 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New polynucleotide designated 205P1B5, for diagnosing and treating prostate cancer, and as probes or primers for the amplification and/or detection of 205P1B5 genes;
recombinant protein production and its encoding gene useful for gene therapy, diagnosis and prognosis
AU CHALLITA-EID P M; RAITANO A B; FARIS M; HUBERT R S; JAKOBOVITS A
AN 2003-14871 BIOTECHDS
PI WO 2003020954 13 Mar 2003

L145 ANSWER 7 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New isolated polypeptide based on the neutralizing epitope of the p17 protein of HIV, useful for the diagnosis, prevention and treatment of the

human acquired immune deficiency syndrome;
plasmid-mediated gene transfer and expression in Escherichia coli for recombinant gluthathione-transferase fusion protein production for use in HIV virus infection therapy
AU CARUSO A; FRANZONE J S
AN 2003-11714 BIOTECHDS
PI WO 2003016337 27 Feb 2003

L145 ANSWER 8 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New UvrA and UvrB polypeptides and polynucleotides encoding the polypeptides, useful for detecting DNA damage for diagnosing cancer, increasing the effectiveness of drug treatment or detecting the effect of environmental genotoxin;
recombinant protein production in Escherichia coli useful for cancer diagnosis
AU VAN HOUTEN B; SKORVAGA M
AN 2003-11705 BIOTECHDS
PI WO 2003014324 20 Feb 2003

L145 ANSWER 9 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Novel nitrilase polypeptide, useful for making (R)- or (S)-ethyl-4-cyano-3-hydroxybutyric acid or (R)- or (S)-mandelic acid or (S)- or (R)-phenyl lactic acid derivative and for producing pharmaceutical composition, and food additive;
vector-mediated recombinant protein gene transfer and expression in host cell for use in pharmaceutical and food industry and peptidomics
AU MADDEN M; DESANTIS G; CHAPLIN J A; WEINER D P; MILAN A; CHI E; SHORT J M; BURK M
AN 2003-10320 BIOTECHDS
PI WO 2003000840 3 Jan 2003

L145 ANSWER 10 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New polynucleotide, useful for manipulating plant protein quality, improving plant growth, yield and crop productivity or grain composition or producing plants with improved properties;
recombinant protein production via plasmid expression in host cell for use in transgenic plant construction
AU EDGERTON M D; CHOMET P S; LACCETTI L B
AN 2004-07435 BIOTECHDS
PI US 2003233670 18 Dec 2003

=>
=> d 25-35

L145 ANSWER 25 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Polypeptide ligand of GPR8 comprising N-terminal methionine residue fused to a polypeptide having N-terminal cysteine residue, useful in the treatment of cancer and Alzheimer's disease;
recombinant protein production via plasmid expression in host cell for use in disease therapy and drug screening
AN 2003-25647 BIOTECHDS
PI JP 2003009867 14 Jan 2003

L145 ANSWER 26 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New PRO polypeptides useful for diagnosing tumor in mammal and for producing antibodies useful in treatment of neoplastic cell growth;
recombinant protein production and antibody for use in disease therapy and gene therapy
AU CHEN J; BAKER K P; YUAN J; GURNEY A; GODDARD A; WOOD W I
AN 2004-23473 BIOTECHDS

PI AU 2002330288 17 Apr 2003

L145 ANSWER 27 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Immunogenic composition containing chimeric HIV polypeptide (p24-gp41 or p24-gp36), and test-kits for detection of antibodies raised against HIV
SO Russ., No pp. given
CODEN: RUXXE7
IN Sidorovich, I. G.; Nikolaeva, I. A.; Sheval'e, A. F.; Ignat'eva, G. A.; Korobova, S. V.; Alekseev, T. A.; Petrov, R. V.; Khaitov, R. M.
AN 2003:862724 HCAPLUS
DN 140:180118

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI RU 2214274	C2	20031020	RU 2001-122896	20010816

L145 ANSWER 28 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Human stem cell growth factor mutant protein, its preparation and medical composition
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 17 pp.
CODEN: CNXXEV
IN Liu, Qingfa; Li, Jing; Hu, Huarong; Hu, Hui
AN 2005:841769 HCAPLUS
DN 143:261406

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1445239	A	20031001	CN 2002-111092	20020320

L145 ANSWER 29 OF 200 MEDLINE on STN DUPLICATE 1
TI Engineering Escherichia coli for increased productivity of serine-rich proteins based on proteome profiling
.
SO Applied and environmental microbiology, (2003 Oct) Vol. 69, No. 10, pp. 5772-81.
Journal code: 7605801. ISSN: 0099-2240.
AU Han Mee-Jung; Jeong Ki Jun; Yoo Jong-Shin; Lee Sang Yup
AN 2003497591 MEDLINE

L145 ANSWER 30 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Quantification of the isomerization of Asp residue in recombinant human αA-crystallin by reversed-phase HPLC
SO Journal of Pharmaceutical and Biomedical Analysis (2003), 30(6), 1825-1833
CODEN: JPBADA; ISSN: 0731-7085
AU Sadakane, Yutaka; Yamazaki, Toshiaki; Nakagomi, Kazuya; Akizawa, Toshifumi; Fujii, Noriko; Tanimura, Takenori; Kaneda, Masaki; Hatanaka, Yasumaru
AN 2002:951194 HCAPLUS
DN 139:145381

L145 ANSWER 31 OF 200 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 2
TI Sulfur assimilation in soybean: Molecular cloning and characterization of O-acetylserine (thiol) lyase (cysteine synthase)
SO CROP SCIENCE, (SEP-OCT 2003) Vol. 43, No. 5, pp. 1819-1827.
ISSN: 0011-183X.
AU Chronis D; Krishnan H B (Reprint)
AN 2003:774749 SCISEARCH

L145 ANSWER 32 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning, expression, and renaturation studies of Reteplase
SO Journal of Microbiology and Biotechnology (2003), 13(6), 989-992
CODEN: JOMBES; ISSN: 1017-7825
AU Zhao, Youchun; Wang, Ge; Kong, Yang; Zhang, Changkai
AN 2004:75941 HCAPLUS
DN 140:247840

L145 ANSWER 33 OF 200 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN
TI Molecular cloning, expression and characterization of three short chain α-neurotoxins from the venom of sea snake - Hydrophiinae Hydrophis cyanocinctus Daudin.
SO Toxicon, (2003) Vol. 42, No. 7, pp. 753-761. .
Refs: 31
ISSN: 0041-0101 CODEN: TOXIA6
AU Peng L.-S.; Zhong X.-F.; Huang Y.-S.; Zhang Y.; Zheng S.-L.; Wei J.-W.; Wu W.-Y.; Xu A.-L.
AN 2004045475 EMBASE

L145 ANSWER 34 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning and molecular and immunological characterisation of two new food allergens, Cap a 2 and Lyc e 1, profilins from bell pepper (Capsicum annuum) and tomato (Lycopersicon esculentum)
SO International Archives of Allergy and Immunology (2003), 131(4), 245-255
CODEN: IAAIEG; ISSN: 1018-2438
AU Willerroider, M.; Fuchs, H.; Ballmer-Weber, B. K.; Focke, M.; Susani, M.; Thalhamer, J.; Ferreira, F.; Wuethrich, B.; Scheiner, O.; Breiteneder, H.; Hoffmann-Sommergruber, K.
AN 2003:623472 HCAPLUS
DN 140:76195

L145 ANSWER 35 OF 200 MEDLINE on STN
TI A novel O-phospho-L-serine sulfhydrylation reaction catalyzed by O-acetylserine sulfhydrylase from Aeropyrum pernix K1.
SO FEBS letters, (2003 Sep 11) Vol. 551, No. 1-3, pp. 133-8.
Journal code: 0155157. ISSN: 0014-5793.
AU Mino Koshiki; Ishikawa Kazuhiko
AN 2003424973 MEDLINE

=> d 200

L145 ANSWER 200 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Biosynthesis of cysteine from serine and hydrogen sulfide
SO Biochemische Zeitschrift (1957), 328, 591-4
CODEN: BIZEA2; ISSN: 0366-0753
AU Schlossmann, Klaus; Lynen, Feodor
AN 1957:62619 HCAPLUS
DN 51:62619
OREF 51:11414f-g

=> d 100

L145 ANSWER 100 OF 200 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 12
TI Physicochemical studies of hepatitis A virus recombinant proteins: interaction with monolayers as membrane models
SO MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, (1 DEC 1999) Vol. 8-9, Sp. iss. SI, pp. 481-485.
ISSN: 0928-4931.
AU Carmona M A; Alsina M A; Pinto R M; Sanchez G; Guix S; Pujol M (Reprint)
AN 2000:40699 SCISEARCH

=> d 60

L145 ANSWER 60 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Novel antibody specific for a peptide immunogen and comprising at least one streptolysin S epitope, useful as vaccinating agent for eliciting an immune response against streptococcal infections;
vector-mediated recombinant protein gene transfer

```
         and expression in host cell for use in recombinant vaccine
         preparation and Streptococcus sp. infection prevention and therapy
AU    DALE J B
AN    2003-06510  BIOTECHDS
PI    US 2002086023 4 Jul 2002


=> d 80

L145 ANSWER 80 OF 200  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Human G protein-coupled receptors and their cDNA sequences and tissue
     expression profiles
SO   PCT Int. Appl., 292 pp.
     CODEN: PIXXD2
IN   Vogeli, Gabriel
AN   2001:676951  HCAPLUS
DN   135:252785
     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
PI   WO 2001066751         A2    20010913    WO 2001-US7370          20010308
     WO 2001066751         A3    20020328
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
             VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 2001045514         A5    20010917    AU 2001-45514           20010302


=> s quorum sens?
FILE 'MEDLINE'
          1307 QUORUM
        958582 SENS?
L146      1217 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'SCISEARCH'
          1788 QUORUM
       1011718 SENS?
L147      1483 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'LIFESCI'
           941 "QUORUM"
        236949 SENS?
L148       927 QUORUM SENS?
               ("QUORUM"(W)SENS?)

FILE 'BIOTECHDS'
            80 QUORUM
         30305 SENS?
L149        76 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'BIOSIS'
          1532 QUORUM
       1597741 SENS?
L150      1501 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'EMBASE'
```

```
          1147 "QUORUM"
        842631 SENS?
L151      1111 QUORUM SENS?
               ("QUORUM"(W)SENS?)

FILE 'HCAPLUS'
          1616 QUORUM
       1351906 SENS?
L152      1585 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'NTIS'
            33 QUORUM
        131783 SENS?
L153         9 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'ESBIOBASE'
          1167 QUORUM
        376066 SENS?
L154      1138 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'BIOTECHNO'
           540 QUORUM
        182320 SENS?
L155       530 QUORUM SENS?
               (QUORUM(W)SENS?)

FILE 'WPIDS'
           128 QUORUM
        950416 SENS?
L156        44 QUORUM SENS?
               (QUORUM(W)SENS?)

TOTAL FOR ALL FILES
L157      9621 QUORUM SENS?

=> s l157 and l12
FILE 'MEDLINE'
            .79 CYSK
         66784 CYSTEINE
         95885 SYNTHASE#
           240 CYSTEINE SYNTHASE#
               (CYSTEINE(W)SYNTHASE#)
L158         2 L146 AND L12

FILE 'SCISEARCH'
            55 CYSK
         49154 CYSTEINE
        112660 SYNTHASE#
           213 CYSTEINE SYNTHASE#
               (CYSTEINE(W)SYNTHASE#)
L159         2 L147 AND L12

FILE 'LIFESCI'
            49 CYSK
         18597 "CYSTEINE"
         24832 SYNTHASE#
            93 CYSTEINE SYNTHASE#
               ("CYSTEINE"(W)SYNTHASE#)
L160         2 L148 AND L12

FILE 'BIOTECHDS'
            54 CYSK
```

```
          4414 CYSTEINE
          6362 SYNTHASE#
            65 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L161         0 L149 AND L12

FILE 'BIOSIS'
            77 CYSK
         60728 CYSTEINE
        103285 SYNTHASE#
           226 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L162         4 L150 AND L12

FILE 'EMBASE'
            61 CYSK
         51519 "CYSTEINE"
         94938 SYNTHASE#
           204 CYSTEINE SYNTHASE#
                 ("CYSTEINE"(W)SYNTHASE#)
L163         2 L151 AND L12

FILE 'HCAPLUS'
           181 CYSK
        102896 CYSTEINE
         99267 SYNTHASE#
           380 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L164         3 L152 AND L12

FILE 'NTIS'
             0 CYSK
           492 CYSTEINE
           240 SYNTHASE#
             0 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L165         0 L153 AND L12

FILE 'ESBIOBASE'
            44 CYSK
         24959 CYSTEINE
         46832 SYNTHASE#
           107 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L166         2 L154 AND L12

FILE 'BIOTECHNO'
            43 CYSK
         22339 CYSTEINE
         29457 SYNTHASE#
           130 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L167         1 L155 AND L12

FILE 'WPIDS'
            46 CYSK
          8848 CYSTEINE
          5263 SYNTHASE#
            46 CYSTEINE SYNTHASE#
                 (CYSTEINE(W)SYNTHASE#)
L168         1 L156 AND L12

TOTAL FOR ALL FILES
L169        19 L157 AND L12
```

```
=> s l157 and l60
FILE 'MEDLINE'
        627619 AMINO
       1423028 ACID
        471399 AMINO ACID
                 (AMINO(W)ACID)
         21836 SER
         92543 SERINE
        168559 COMPOSITION#
        248830 PROFIL?
         13746 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L170         0 L146 AND L60

FILE 'SCISEARCH'
        396327 AMINO
       1149190 ACID
        209666 AMINO ACID
                 (AMINO(W)ACID)
         22441 SER
         53704 SERINE
        419979 COMPOSITION#
        382115 PROFIL?
          9538 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L171         0 L147 AND L60

FILE 'LIFESCI'
        170294 "AMINO"
        304712 "ACID"
        117285 AMINO ACID
                 ("AMINO"(W)"ACID")
         10847 SER
         21922 SERINE
         99725 COMPOSITION#
         55188 PROFIL?
          6090 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L172         0 L148 AND L60

FILE 'BIOTECHDS'
         68862 AMINO
        141162 ACID
         49599 AMINO ACID
                 (AMINO(W)ACID)
          4932 SER
          5056 SERINE
         42349 COMPOSITION#
         10963 PROFIL?
          2588 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L173         0 L149 AND L60

FILE 'BIOSIS'
        529886 AMINO
       1264190 ACID
        308849 AMINO ACID
                 (AMINO(W)ACID)
         22674 SER
         70130 SERINE
        329045 COMPOSITION#
        237646 PROFIL?
         22015 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L174         0 L150 AND L60

FILE 'EMBASE'
        435910 "AMINO"
       1416657 "ACID"
        294778 AMINO ACID
```

```
                ("AMINO"(W)"ACID")
         19619 SER
         59543 SERINE
        151994 COMPOSITION#
        210388 PROFIL?
         13292 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L175         1 L151 AND L60

FILE 'HCAPLUS'
       1084700 AMINO
       4203947 ACID
        539598 AMINO ACID
                (AMINO(W)ACID)
         35505 SER
        108794 SERINE
        960069 COMPOSITION#
       1416525 COMPN
       1976894 COMPOSITION#
                (COMPOSITION# OR COMPN)
        440945 PROFIL?
         38327 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L176         2 L152 AND L60

FILE 'NTIS'
          7002 AMINO
         44050 ACID
          2476 AMINO ACID
                (AMINO(W)ACID)
           410 SER
           537 SERINE
         69996 COMPOSITION#
         58035 PROFIL?
           223 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L177         0 L153 AND L60

FILE 'ESBIOBASE'
        184733 AMINO
        353034 ACID
        102749 AMINO ACID
                (AMINO(W)ACID)
         13028 SER
         28404 SERINE
         87829 COMPOSITION#
         98571 PROFIL?
          3620 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L178         0 L154 AND L60

FILE 'BIOTECHNO'
        204625 AMINO
        349810 ACID
        154660 AMINO ACID
                (AMINO(W)ACID)
         11924 SER
         28989 SERINE
         38895 COMPOSITION#
         42958 PROFIL?
          6366 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L179         0 L155 AND L60

FILE 'WPIDS'
        252115 AMINO
        962731 ACID
         71870 AMINO ACID
                (AMINO(W)ACID)
         10207 SER
```

```
          8710 SERINE
        733477 COMPOSITION#
          8956 COMPN
        388445 COMPSN
        111887 COMPSNS
        905421 COMPOSITION#
                 (COMPOSITION# OR COMPN OR COMPSN OR COMPSNS)
        200097 PROFIL?
          5017 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L180       0 L156 AND L60

TOTAL FOR ALL FILES
L181       3 L157 AND L60

=> d tot

L181 ANSWER 1 OF 3  EMBASE  COPYRIGHT (c) 2006 Elsevier B.V. All rights
     reserved on STN
TI   Acyl-homoserine lactone acylase from Ralstonia strain XJ12B represents a
     novel and potent class of quorum-quenching enzymes.
SO   Molecular Microbiology, (2003) Vol. 47, No. 3, pp. 849-860. .
     Refs: 58
     ISSN: 0950-382X  CODEN: MOMIEE
AU   Lin Y.-H.; Xu J.-L.; Hu J.; Wang L.-H.; Leong Ong S.; Renton Leadbetter
     J.; Zhang L.-H.
AN   2003041693  EMBASE

L181 ANSWER 2 OF 3  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Impact of the accessory gene regulatory system (Agr) on extracellular
     proteins, codY expression and amino acid metabolism in Staphylococcus
     epidermidis
SO   Proteomics (2006), 6(12), 3602-3613
     CODEN: PROTC7; ISSN: 1615-9853
AU   Batzilla, Christoph F.; Rachid, Shwan; Engelmann, Susanne; Hecker,
     Michael; Hacker, Joerg; Ziebuhr, Wilma
AN   2006:664730  HCAPLUS

L181 ANSWER 3 OF 3  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Whole-genome transcription profiling reveals genes up-regulated by growth
     on fucose in the human gut bacterium Roseburia inulinivorans
SO   Journal of Bacteriology (2006), 188(12), 4340-4349
     CODEN: JOBAAY; ISSN: 0021-9193
AU   Scott, Karen P.; Martin, Jennifer C.; Campbell, Gillian; Mayer,
     Claus-Dieter; Flint, Harry J.
AN   2006:609293  HCAPLUS
DN   145:206012


=> s l157 and l84
FILE 'MEDLINE'
         48830 HETEROLOGOUS
         60602 FOREIGN
        268317 RECOMBINANT
       1985915 PROTEIN#
       1332306 PRODUC?
       1031573 EXPRESS?
         41165 OPTIMIZE?
          9690 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L182       8 L146 AND L84

FILE 'SCISEARCH'
         22902 HETEROLOGOUS
         31651 FOREIGN
        157026 RECOMBINANT
```

```
       1561701 PROTEIN#
       1885905 PRODUC?
       1318116 EXPRESS?
        101716 OPTIMIZE?
          9879 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L183         10 L147 AND L84

FILE 'LIFESCI'
         15201 HETEROLOGOUS
          8672 FOREIGN
         68772 RECOMBINANT
        576271 PROTEIN#
        528908 PRODUC?
        406665 EXPRESS?
         10075 OPTIMIZE?
          7329 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L184          9 L148 AND L84

FILE 'BIOTECHDS'
         11307 HETEROLOGOUS
          6545 FOREIGN
        100689 RECOMBINANT
        158695 PROTEIN#
        228637 PRODUC?
        147353 EXPRESS?
          7062 OPTIMIZE?
         29419 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L185          7 L149 AND L84

FILE 'BIOSIS'
         29967 HETEROLOGOUS
         27907 FOREIGN
        195249 RECOMBINANT
       1823904 PROTEIN#
       1749135 PRODUC?
       1221349 EXPRESS?
         39110 OPTIMIZE?
         12002 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L186          9 L150 AND L84

FILE 'EMBASE'
         22927 HETEROLOGOUS
         33385 FOREIGN
        175359 RECOMBINANT
       1604586 PROTEIN#
       1273106 PRODUC?
        947091 EXPRESS?
         39316 OPTIMIZE?
          8026 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L187          9 L151 AND L84

FILE 'HCAPLUS'
         32646 HETEROLOGOUS
         46749 FOREIGN
        189397 RECOMBINANT
       2224044 PROTEIN#
       4322427 PRODUC?
        958833 PRODN
       4785471 PRODUC?
                 (PRODUC? OR PRODN)
```

```
       1251994 EXPRESS?
        161359 OPTIMIZE?
         22414 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
               C? OR EXPRESS? OR OPTIMIZE?)
L188           11 L152 AND L84

FILE 'NTIS'
             306 HETEROLOGOUS
          385975 FOREIGN
            1641 RECOMBINANT
           19009 PROTEIN#
          373365 PRODUC?
           39659 EXPRESS?
           17064 OPTIMIZE?
             142 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                 C? OR EXPRESS? OR OPTIMIZE?)
L189             0 L153 AND L84

FILE 'ESBIOBASE'
           13479 HETEROLOGOUS
           10751 FOREIGN
           87655 RECOMBINANT
          759973 PROTEIN#
          613682 PRODUC?
          594976 EXPRESS?
           20296 OPTIMIZE?
            8224 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                 C? OR EXPRESS? OR OPTIMIZE?)
L190           12 L154 AND L84

FILE 'BIOTECHNO'
           14199 HETEROLOGOUS
            6070 FOREIGN
          125134 RECOMBINANT
          653195 PROTEIN#
          394590 PRODUC?
          452182 EXPRESS?
            9587 OPTIMIZE?
            8116 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                 C? OR EXPRESS? OR OPTIMIZE?)
L191            8 L155 AND L84

FILE 'WPIDS'
           10321 HETEROLOGOUS
           43071 FOREIGN
           41623 RECOMBINANT
          161386 PROTEIN#
         2402233 PRODUC?
          130405 EXPRESS?
           30069 OPTIMIZE?
            4938 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                 C? OR EXPRESS? OR OPTIMIZE?)
L192            1 L156 AND L84

TOTAL FOR ALL FILES
L193           84 L157 AND L84

=> s l193 not 2004-2006/py
FILE 'MEDLINE'
       1669853 2004-2006/PY
                 (20040000-20069999/PY)
L194            6 L182 NOT 2004-2006/PY

FILE 'SCISEARCH'
       3014115 2004-2006/PY
```

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                (20040000-20069999/PY)
L195         6 L183 NOT 2004-2006/PY

FILE 'LIFESCI'
        253279 2004-2006/PY
L196         8 L184 NOT 2004-2006/PY

FILE 'BIOTECHDS'
         70512 2004-2006/PY
L197         4 L185 NOT 2004-2006/PY

FILE 'BIOSIS'
       1279777 2004-2006/PY
L198         6 L186 NOT 2004-2006/PY

FILE 'EMBASE'
       1438357 2004-2006/PY
L199         7 L187 NOT 2004-2006/PY

FILE 'HCAPLUS'
       3229967 2004-2006/PY
L200         6 L188 NOT 2004-2006/PY

FILE 'NTIS'
         35677 2004-2006/PY
L201         0 L189 NOT 2004-2006/PY

FILE 'ESBIOBASE'
        849275 2004-2006/PY
L202         9 L190 NOT 2004-2006/PY

FILE 'BIOTECHNO'
           586 2004-2006/PY
L203         8 L191 NOT 2004-2006/PY

FILE 'WPIDS'
       3019867 2004-2006/PY
L204         0 L192 NOT 2004-2006/PY

TOTAL FOR ALL FILES
L205        60 L193 NOT 2004-2006/PY

=> log y
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                               ENTRY    SESSION
FULL ESTIMATED COST                            132.14     132.35

STN INTERNATIONAL LOGOFF AT 15:21:57 ON 06 SEP 2006
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